

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/348,658A

LS

AU 1812

DATE: 07/26/96  
TIME: 11:41:48

INPUT SET: S11784.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Eaton, Dan L.  
6 de Sauvage, Frederic J.  
7  
8 (ii) TITLE OF INVENTION: MPL LIGAND  
9  
10 (iii) NUMBER OF SEQUENCES: 17  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Genentech, Inc.  
14 (B) STREET: 460 Point San Bruno Blvd  
15 (C) CITY: South San Francisco  
16 (D) STATE: California  
17 (E) COUNTRY: USA  
18 (F) ZIP: 94080  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: WinPatin (Genentech)  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: 08/348658  
28 (B) FILING DATE: 02-Dec-1994  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 08/185607  
33 (B) FILING DATE: 21-JAN-1994  
34  
35 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: 08/176553  
37 (B) FILING DATE: 03-JAN-1994  
38  
39 (viii) ATTORNEY/AGENT INFORMATION:  
40 (A) NAME: Winter, Daryl B.  
41 (B) REGISTRATION NUMBER: 32,637  
42 (C) REFERENCE/DOCKET NUMBER: P0871P1C1  
43  
44 (ix) TELECOMMUNICATION INFORMATION:  
45 (A) TELEPHONE: 415/225-1249  
46 (B) TELEFAX: 415/952-9881

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47 (C) TELEX: 910/371-7168  
48  
49 (2) INFORMATION FOR SEQ ID NO:1:  
50  
51 (i) SEQUENCE CHARACTERISTICS:  
52 (A) LENGTH: 20 amino acids  
53 (B) TYPE: Amino Acid  
54 (D) TOPOLOGY: Linear  
55  
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
57  
58 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
59 1 5 10 15  
60  
61 Leu Arg Asp Asp His  
62 20  
63  
64 (2) INFORMATION FOR SEQ ID NO:2:  
65  
66 (i) SEQUENCE CHARACTERISTICS:  
67 (A) LENGTH: 26 amino acids  
68 (B) TYPE: Amino Acid  
69 (D) TOPOLOGY: Linear  
70  
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
72  
73 Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu  
74 1 5 10 15  
75  
76 Leu Arg Asp Ser His Val Leu His Ser Arg Leu  
77 20 25 26  
78  
79 (2) INFORMATION FOR SEQ ID NO:3:  
80  
81 (i) SEQUENCE CHARACTERISTICS:  
82 (A) LENGTH: 42 amino acids  
83 (B) TYPE: Amino Acid  
84 (D) TOPOLOGY: Linear  
85  
86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
87  
88 Leu Leu Leu Val Val Met Leu Leu Leu Thr Ala Arg Leu Thr Leu  
89 -16 -15 -10 -5  
90  
91 Ser Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val Leu Ser Lys  
92 1 5 10  
93  
94 Leu Leu Arg Asp Ser His Val Leu His Ser Arg Leu  
95 15 20 25 26  
96  
97 (2) INFORMATION FOR SEQ ID NO:4:  
98  
99 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 390 base pairs  
101 (B) TYPE: Nucleic Acid  
102 (C) STRANDEDNESS: Double  
103 (D) TOPOLOGY: Linear  
104  
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
106  
107  
108 GAATTCCTGG AATACCAGCT GACAATGATT TCCTCCTCAT CTTTCAACCT 50  
109  
110 CACCTCTCCT CATCTAAGAA TTG CTC CTC GTG GTC ATG CTT 91  
111 Leu Leu Leu Val Val Met Leu  
112 -16 -15 -10  
113  
114 CTC CTA ACT GCA AGG CTA ACG CTG TCC AGC CCG GCT CCT 130  
115 Leu Leu Thr Ala Arg Leu Thr Leu Ser Ser Pro Ala Pro  
116 -5 1  
117  
118 CCT GCT TGT GAC CTC CGA GTC CTC AGT AAA CTG CTT CGT 169  
119 Pro Ala Cys Asp Leu Arg Val Leu Ser Lys Leu Leu Arg  
120 5 10 15  
121  
122 GAC TCC CAT GTC CTT CAC AGC AGA CTG GTGA GAACTCCCAA 210  
123 Asp Ser His Val Leu His Ser Arg Leu  
124 20 25 26  
125  
126 CATTATCCCC TTTATCCGCG TAACTGGTAA GACACCCATA CTCCCAGGAA 260  
127  
128 GACACCATCA CTTCTCTCTAA CTCCTTGACC CAATGACTAT TCTTCCCATA 310  
129  
130 TTGTCCCCAC CTACTGATCA CACTCTCTGA CAAGAATTAT TCTTCACAAT 360  
131  
132 ACAGCCCGCA TTTAAAAGCT CTCGTCTAGA 390  
133  
134 (2) INFORMATION FOR SEQ ID NO:5:  
135  
136 (i) SEQUENCE CHARACTERISTICS:  
137 (A) LENGTH: 390 base pairs  
138 (B) TYPE: Nucleic Acid  
139 (C) STRANDEDNESS: Single  
140 (D) TOPOLOGY: Linear  
141  
142 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
143  
144  
145 TCTAGACGAG AGCTTTTAAA TGCGGGCTGT ATTGTGAAGA ATAATTCTTG 50  
146  
147 TCAGAGAGTG TGATCAGTAG GTGGGGACAA TATGGGAAGA ATAGTCATTG 100  
148  
149 GGTCAAGGAG TTAGAGGAAG TGATGGTGTC TTCCTGGGAG TATGGGTGTC 150  
150  
151 TTACCAGTTA CGCGGATAAA GGGGATAATG TTGGGAGTTC TCACCAGTCT 200  
152

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153 GCTGTGAAGG ACATGGGAGT CACGAAGCAG TTTACTGAGG ACTCGGAGGT 250  
154  
155 CACAAGCAGG AGGAGCCGGG CTGGACAGCG TTAGCCTTGC AGTTAGGAGA 300  
156  
157 AGCATGACCA CGAGGAGCAA TTCTTAGATG AGGAGAGGTG AGGTTGAAAG 350  
158  
159 ATGAGGAGGA AATCATTGTC AGCTGGTATT CCAGGAATTC 390  
160

## (2) INFORMATION FOR SEQ ID NO:6:

161  
162  
163 (i) SEQUENCE CHARACTERISTICS:  
164 (A) LENGTH: 25 amino acids  
165 (B) TYPE: Amino Acid  
166 (D) TOPOLOGY: Linear  
167  
168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
169

170 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
171 1 5 10 15  
172  
173 Leu Arg Asp Asp His Val Leu His Gly Arg  
174 20 25  
175

## (2) INFORMATION FOR SEQ ID NO:7:

176  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 26 amino acids  
180 (B) TYPE: Amino Acid  
181 (D) TOPOLOGY: Linear  
182  
183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
184

185 Ser Pro Ala Pro Pro Ala Cys Asp Pro Arg Leu Leu Asn Lys Leu  
186 1 5 10 15  
187  
188 Leu Arg Asp Asp Xaa Val Leu His Gly Arg Leu  
189 20 25 26  
190

## (2) INFORMATION FOR SEQ ID NO:8:

191  
192  
193 (i) SEQUENCE CHARACTERISTICS:  
194 (A) LENGTH: 25 amino acids  
195 (B) TYPE: Amino Acid  
196 (D) TOPOLOGY: Linear  
197  
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
199

200 Ser Pro Ala Pro Pro Ala Xaa Asp Pro Arg Leu Leu Asn Lys Leu  
201 1 5 10 15  
202  
203 Leu Arg Asp Asp His Val Leu His Gly Arg  
204 20 25  
205

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206 (2) INFORMATION FOR SEQ ID NO:9:

207

208 (i) SEQUENCE CHARACTERISTICS:

209 (A) LENGTH: 14 amino acids

210 (B) TYPE: Amino Acid

211 (D) TOPOLOGY: Linear

212

213 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

214

215 Xaa Pro Ala Pro Pro Ala Xaa Asp Pro Arg Leu Xaa Asn Lys

216 1 5 10 14

217

218 (2) INFORMATION FOR SEQ ID NO:10:

219

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 20 base pairs

222 (B) TYPE: Nucleic Acid

223 (C) STRANDEDNESS: Single

224 (D) TOPOLOGY: Linear

225

226 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

227

228

229 CCNGCNCNC CNGCNTGYGA 20

230

231 (2) INFORMATION FOR SEQ ID NO:11:

232

233 (i) SEQUENCE CHARACTERISTICS:

234 (A) LENGTH: 21 base pairs

235 (B) TYPE: Nucleic Acid

236 (C) STRANDEDNESS: Single

237 (D) TOPOLOGY: Linear

238

239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

240

241

242 NCCRTGNARN ACRTGRTCRT C 21

243

244 (2) INFORMATION FOR SEQ ID NO:12:

245

246 (i) SEQUENCE CHARACTERISTICS:

247 (A) LENGTH: 69 base pairs

248 (B) TYPE: Nucleic Acid

249 (C) STRANDEDNESS: Double

250 (D) TOPOLOGY: Linear

251

252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

253

254

255 CCAGCGCCGC CAGCCTGTGA CCCCCGACTC CTAAATAAAC TGCCTCGTGA 50

256

257 TGACCACGTT CAGCACGGC 69

258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/348,658A**

DATE: 07/26/96  
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*INPUT SET: S11784.raw*

Line	Error	Original Text
27	Wrong application Serial Number	(A) APPLICATION NUMBER: 08/348658